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| APPLICATION NO.                                                          | FILING DATE | FIRST NAMED INVENTOR    | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--------------------------------------------------------------------------|-------------|-------------------------|---------------------|------------------|
| 10/655,835                                                               | 09/05/2003  | John Frederick Ackerman | 132277              | 7070             |
| 31838                                                                    | 7590        | 11/16/2004              | EXAMINER            |                  |
| HASSE GUTTAG & NESBITT LLC<br>7550 CENTRAL PARK BLVD.<br>MASON, OH 45040 |             |                         | KERSHTEYN, IGOR     |                  |
|                                                                          |             | ART UNIT                | PAPER NUMBER        |                  |
|                                                                          |             | 3745                    |                     |                  |

DATE MAILED: 11/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                 |                 |
|------------------------------|-----------------|-----------------|
| <b>Office Action Summary</b> | Application No. | Applicant(s)    |
|                              | 10/655,835      | ACKERMAN ET AL. |
|                              | Examiner        | Art Unit        |
|                              | Igor Kershteyn  | 3745            |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_.
- 2a) This action is **FINAL**.      2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-31 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) 1-24 is/are allowed.
- 6) Claim(s) 25,26 and 29-31 is/are rejected.
- 7) Claim(s) 27 and 28 is/are objected to.
- 8) Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 05 September 2003 is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 09/05/2003.
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_.

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 25, 26, 29 and 30 are rejected under 35 U.S.C. 102(b) as being anticipated by Meelu et al. (5,795,659).

In figures 4-30, Meelu et al. teach a turbine engine rotor component comprising: (a) a metal-based substrate G; and (b) an aluminide coating E on the surface of the substrate, the rotor component is a compressor or turbine disk.

Claims 25, 26, and 31 are rejected under 35 U.S.C. 102(e) as being anticipated by Walston et al. (6,797,408).

In figures 1-3, Walston et al. teach a a turbine engine rotor component comprising: (a) a metal-based substrate 32; and (b) an aluminide coating 34 on the surface of the substrate, the rotor component is a compressor or turbine disk.

***Allowable Subject Matter***

Claims 1-24 are allowed.

Claims 27 and 28 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Prior Art***

Prior art made of record but not relied upon is considered pertinent to Applicant's disclosure and consist of three patents.

Schaeffer (6,066,405) is cited to show a method for forming an aluminide coating on a turbine rotor component comprising the steps of depositing an aluminum coating on the surface of the component but fails to teach heating the coated component in a nonoxidizing atmosphere.

Nemov et al. (6,194,086) is cited to show a method for forming an aluminide coating on a turbine rotor component comprising the steps of depositing an aluminum coating on the surface of the component but fails to teach heating the coated component in a nonoxidizing atmosphere.

Darolia et al. (6,291,084) is cited to show a method for forming an aluminide coating on a turbine rotor component but fails to teach the steps of depositing an aluminum coating on the surface of the component.

***Contact information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Kershteyn whose telephone number is (703) 308 8317. The examiner can be reached on Monday-Friday from 8:00 a.m. to 4:30 p.m.

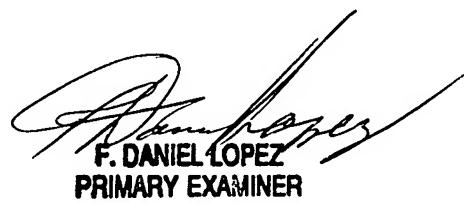
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Look, can be reached on (703) 308 1044. The fax number is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308 0861.

IK  
November 8, 2004



Igor Kershteyn  
Patent examiner.  
Art Unit 3745



F. DANIEL LOPEZ  
PRIMARY EXAMINER